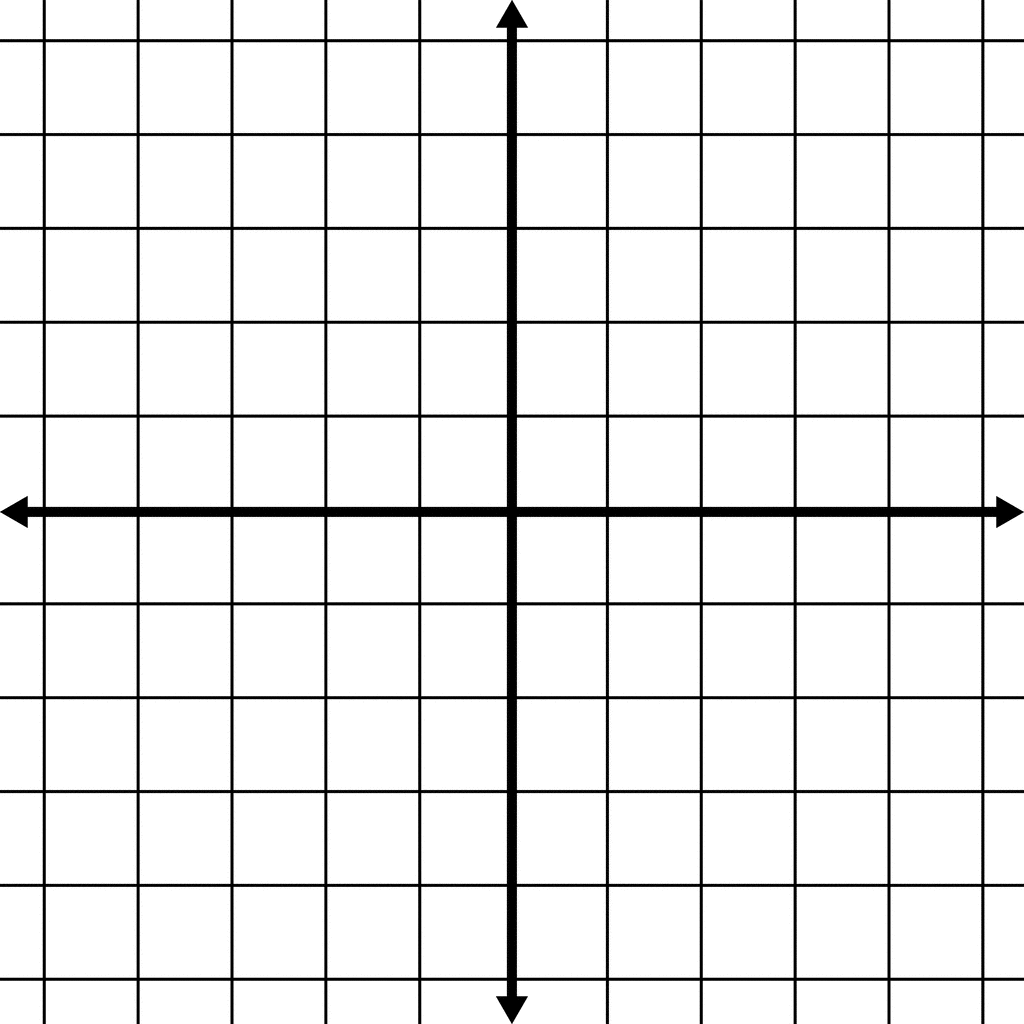
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**2.3 Rotations on the Coordinate Plane Homework 2**



1. Create a figure that is at least three-sided (triangle, quadrilateral, etc.). Label the vertices.
2. Choose a center of rotation and mark it on the graph.
3. Rotate the pre-image 90o about the center you chose. Label the vertices with the “prime” symbols.
4. Prove that your angle of rotation is 90o using what you know about the slope of a line.
5. Using the same pre-image, repeat steps 1-4 but using a 180o rotation.